

Activity 3**STUDY GUIDE****• The Rock Cycle**

Match the items in Column I with the terms in Column II. Write the letter of the correct term in the blank at the left.

Column I

- _____ 1. A rock that changes into a metamorphic rock
- _____ 2. Shows how rocks change from one form to another over time
- _____ 3. Metamorphic rocks with parallel layers of mineral grains
- _____ 4. Molten rock material
- _____ 5. A rock that forms from high temperature and pressure

Column II

- a. magma/lava
- b. metamorphic
- c. protolith
- d. foliated
- e. rock cycle

Use your knowledge of the rock cycle to answer the questions below. In the blank, write the term that correctly completes each sentence.

6. Sedimentary and igneous rocks can be changed into metamorphic rocks by increased _____ and _____.
7. Igneous rock forms from molten rock that has _____ and crystallized.
8. The processes of _____ and _____ change sediments into solid sedimentary rock.
9. When igneous, metamorphic and sedimentary rocks melt, _____ or _____ is formed.
10. _____ and _____ change solid rock into sediments.

Write each word in the box under the correct heading.

cooling	igneous	sedimentary	melting
cementation	weathering	heating	compaction
erosion	pressure		metamorphic

Processes in the rock cycle**Kinds of rocks**
